CLAIMS

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	1	A method co	าทาการเกอ
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- 2 opening simultaneous communication sessions between
- 3 electronic devices and a server, the communication sessions being
- 4 carried on communication links each of which is at least partially
- 5 wireless,
- 6 sending from the devices to the server information
- 7 associated with proposed debit or credit transactions,
- 8 completing the transactions using an application running on
- 9 the server,
- maintaining the communications sessions in existence
- during inactive periods when information about another debit or
- credit transaction is not waiting to be sent from one or more of the
- devices to the server, and
- after the inactive periods, using the maintained
- 15 communication sessions to send, from the devices to the server,
- information associated with other proposed debit or credit
- 17 transactions.
- 1 2. The method of claim 1 in which the electronic devices
- 2 comprise off-the-shelf stand-alone hand-held devices.
- 1 3. The method of claim 1 in which at least one of the
- 2 communication links uses a TCP/IP protocol.

- 1 4. The method of claim 1 in which the information about the
- 2 debit or credit transactions is entered interactively through user
- 3 interfaces of the devices.
- 1 5. The method of claim 1 in which the information about the
- 2 transactions is discarded at each of the devices when the
- 3 transactions have been completed.
- 1 6. Apparatus comprising
- 2 electronic devices configured to be capable of initiating and
- 3 maintaining communication sessions with a server, the
- 4 communication sessions being carried on communication paths
- 5 that are at least partially wireless,
- a server configured to receive information sent from the
- 7 devices, using the communication sessions, about debit and credit
- 8 transactions, and to maintain the sessions at times when no
- 9 information about debit and credit transactions is being sent from
- 10 the devices to the server.
- 1 7. A method comprising
- 2 opening a communication session between an electronic
- 3 device and a server, the communication session being carried on a
- 4 communication link that is at least partially wireless,
- sending from the device to the server, using the
- 6 communication session, information associated with a proposed
- 7 debit or credit transaction,
- 8 completing the transaction using an application running on
- 9 the server,

10		after the transaction has been completed, maintaining the	
11	communication session during an inactive period when		
12	information about another debit or credit transaction is not waiting		
13	to be se	ent from the device to the server,	
14		after the inactive period, sending from the device to the	
15	server, using the communication session, information associated		
16	with an	nother proposed debit or credit transaction, and	
17		effecting the transaction using an application running at the	
18	server.		
1	8.	The method of claim 7 in which the electronic device	
2	compr	ises an off-the-shelf stand-alone hand-held device.	
1	9.	The method of claim 7 in which the communication link	
2	uses a TCP/IP protocol.		
1	10.	The method of claim 7 in which the information about the	
2	debit or credit transactions is entered interactively through a user		
3	interface of the device.		
1	11.	The method of claim 7 in which the information about the	
2	transaction is discarded at the devices when the transactions have		
3	been completed.		
1	12.	A method comprising	

- 2 exchanging information with a user at an electronic device,
- the information being about a proposed credit or debit transaction,

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- 4 the information being exchanged through a user interface that
- 5 includes an information display and an information input device,
- 6 communicating information that is input by a user from the
- 7 electronic device to a server through a communication link that is
- 8 at least partially wireless,
- 9 the display of information to the user on the information
- display and the receipt of information from the user through the
- information input device being controlled through the
- 12 communication link by an application running on the server, and
- at the server, using the information input by the user and
- 14 communicated to the server to effect the transaction.
- 1 13. The method of claim 12 in which the electronic device
- 2 comprises an off-the-shelf stand-alone hand-held device.
- 1 14. The method of claim 12 in which the communication link
- 2 uses a TCP/IP protocol.
- 1 15. The method of claim 12 in which the information about the
- debit or credit transactions is entered interactively through a user
- 3 interface of the device.
- 1 16. The method of claim 12 in which the information about the
- 2 transaction is discarded at the devices when the transactions have
- 3 been completed.
- 1 17. A method comprising

- 2 exchanging information with a user electronic device, the
- 3 information being about a proposed credit or debit transaction, the
- 4 information being exchanged through a user interface that includes
- 5 an information display and an information input device, the
- 6 electronic device comprising a publicly-distributed, stand-alone
- 7 interactive hand-held device running a publicly available operating
- 8 system,
- 9 communicating information that is input by a user from the
- 10 electronic device to a server through a communication link that is
- at least partially wireless, and
- at the server, using the information input by the user and
- communicated to the server to effect the transaction.
- 1 18. The method of claim 17 in which the communication link
- 2 uses a TCP/IP protocol.
- 1 19. The method of claim 17 in which the information about the
- debit or credit transactions is entered interactively through a user
- 3 interface of the device.
- 1 20. The method of claim 17 in which the information about the
- 2 transaction is discarded at the devices when the transactions have
- 3 been completed.
- 1 21. A method comprising

- exchanging information at an electronic device, the information being about proposed credit or debit transactions of customers, the information including confidential identification information about accounts of the customers,
- communicating information about the transactions, including the confidential identification information, from the device to a server over a communication link that is at least partially wireless,
- effecting the transactions from the server, and
- discarding the confidential identification information at the
 device after the transactions have been effected so that the
 confidential identification information is not retained on the
 electronic device when it is powered down.
- 1 22. The method of claim 21 in which the electronic device
- 2 comprises an off-the-shelf stand-alone hand-held device.
- 1 23. The method of claim 21 in which the communication link
- 2 uses a TCP/IP protocol.
- 1 24. The method of claim 21 in which the information about the
- debit or credit transactions is entered interactively through a user
- 3 interface of the device.
- 1 25. A method comprising

2	exchanging information at hand-held devices, the
3	information being about proposed credit or debit transactions

- at a server, receiving information about the transactions
- 5 from the devices through communication links that are at least in
- 6 part wireless,
- running an application on the server, the application being
 configured to effect credit and debit transactions using the received
 information received from the hand-held devices,
- effecting credit and debit transactions using the application and the received information,
- updating the application on the server without updating any application related to the processing of credit and debit transactions on the devices, and
- after the updating, continuing to effect credit and debit transactions using the updated application.
- 1 26. The method of claim 25 in which the electronic devices
- 2 comprise off-the-shelf stand-alone hand-held devices.
- 1 27. The method of claim 25 in which the communication links
- 2 use a TCP/IP protocol.
- 1 28. The method of claim 25 in which the information about the
- debit or credit transactions is entered interactively through a user
- 3 interface of the device.

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1	29.	The method of claim 25 in which the information about the	
2	transaction is discarded at the devices when the transactions have		
3	been completed.		
1	30.	A method comprising	
2		exchanging information at hand-held devices, the	
3	information being about proposed credit or debit transactions,		
4		at a server, receiving information about the transactions	
5	from the devices through communication links that are at least in		
6	part wireless,		
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7		running an application on the server, the application being	
8	configured to effect credit and debit transactions using the received		
9	inform	ation received from hand-held,	
10		effecting credit and debit transactions using the application	
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11	and the	received information,	
12		running other applications at the server, the other	
13	applica	tions not being ones that effect credit or debit transactions,	
14	and		
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15		controlling user interfaces at the hand-held devices from	
16	the ser	the server to provide functions of the other applications to users of	
17	the hand-held devices at times when information about credit or		
18	debit transactions is not being exchanged.		
1	31.	Annoratus comprising	
1	\mathfrak{I}_1 .	Apparatus comprising	

an interactive handheld device,

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a reader for reading debit or credit cards to be used in debit		
or credit transactions entered on the hand-held device, and		
a printer adapted to print receipts for debit or credit		
transactions,		
the device, the reader, and the printer having short-range		
wireless communication capability to carry information about the		
credit or debit transactions between the device and the reader and		
between the device and the printer.		
32. A method comprising		
running a client application on a mobile electronic device		
and a server application on a central server, the server application		
controlling the client application to provide financial transaction		
authorization services with respect to transactions occurring at the		
mobile electronic device, and		
providing additional non-financial transaction services by		
additional client applications at the mobile electronic device, the		
additional client applications being under the control of additional		
server applications running on the server.		
33. A method comprising		
entering information about credit or debit transactions at		
hand-held devices using interfaces that are under control of an		

4	application running at a remote server, the devices acting as
5	terminals to the server,
6	communicating the information using continually
7	maintained communication sessions carried on communication
8	links that re at least partly wireless,
9	effecting the transactions using applications running at the
10	server, and
11	discarding information about credit or debit accounts at
12	each device when the communication session is ended.
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